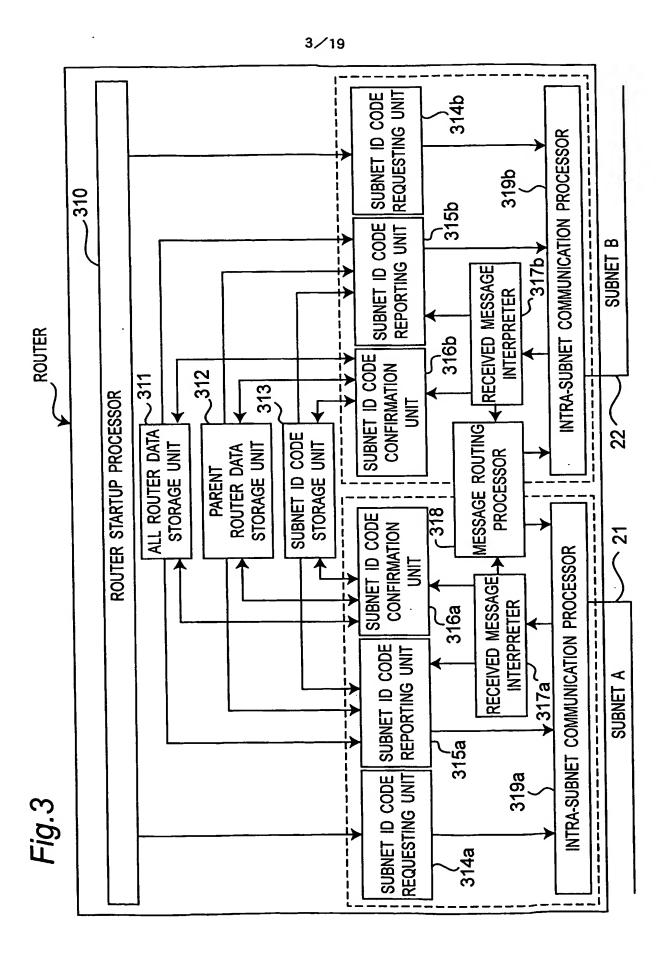


2/19

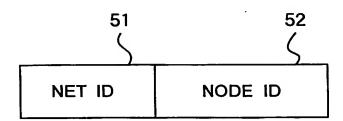


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Fig.4

r	4/19
<b>46</b> ✓	NODE ID OF SUBNET B
45	NET ID OF SUBNET B
4	NODE ID OF SUBNET A
. 43	NET ID OF SUBNET A
<b>4</b> 2	NUMBER OF CONNECTED SUBNETS
4~	ROUTER ROUTER IDENTIFIER
	ROUTER ATTRIBUTE

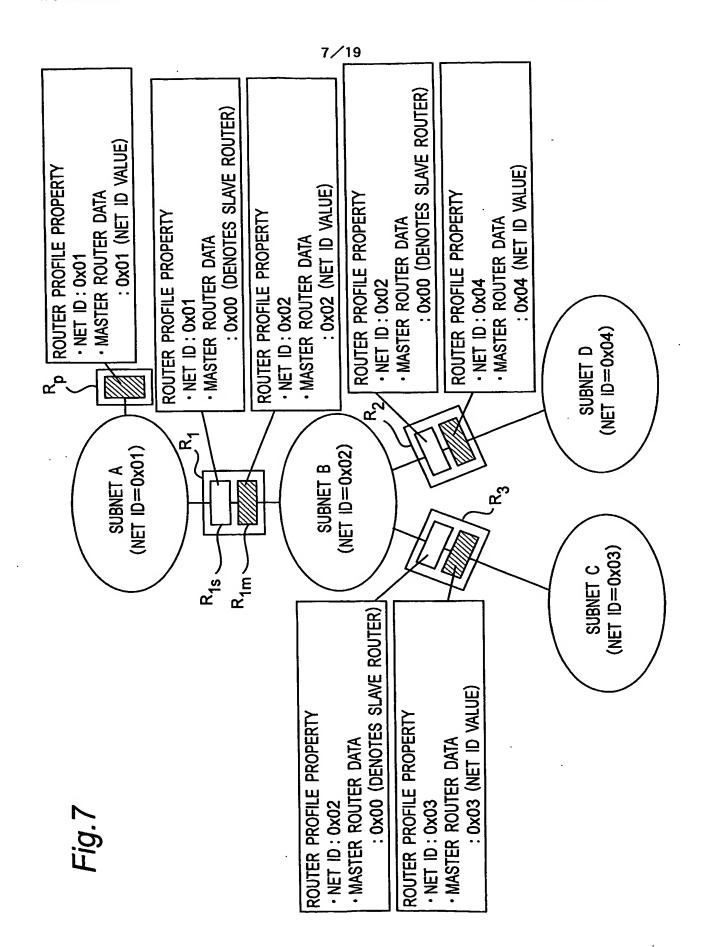
Fig.5



NODE ID **NETWORK ADDRESS** NET ID Fig.6A

6/19 FCC ODT OSV OPC ODATA 00 SOJ DATA 몽 NODE ID OBC DNA SNA  $\Box$ NET 유 BC ပ္ပ Node 10 PA SA  $\square$ REL PR

Fig.6B



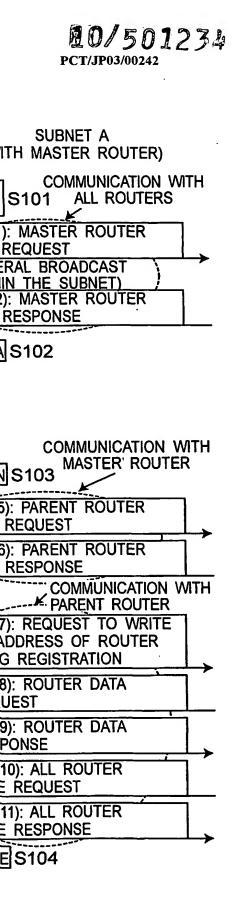


Fig.8 SUBNET B (NEW STARTUP ROUTER) (WITH MASTER ROUTER) COMMUNICATION WITH INTERNAL INITIAL PROCESSING / ALL ROUTERS NODE ID SETTING COMPLETE MESSAGE (1): MASTER ROUTER MESSAGE (1): MASTER ROUTER DATA READ REQUEST DATA READ REQUEST GENERAL BROADCAST (GENERAL BROADCAST <u>WITHIN THE SUBNET)</u> WITHIN THE SUBNET)
MESSAGE (2): MASTER ROUTER MESSAGE (2): MASTER ROUTER DATA READ RESPONSE DATA READ RESPONSE COMMUNICATION CONFIRM MASTER ROUTER DATA \$102 WITH ALL NODES MESSAGE (3): NET ID READ REQUEST (GENERAL BROADCAST WITHIN THE SUBNET) MESSAGE (4): NET ID READ RESPONSE CONFIRM SUBNET CONFIGURATION \$103 MESSAGE (5): PARENT ROUTER DATA READ REQUEST MESSAGE (6): PARENT ROUTER T3 DATA READ RESPONSE MESSAGE (7): REQUEST TO WRITE NETWORK ADDRESS OF ROUTER REQUESTING REGISTRATION MESSAGE (8): ROUTER DATA **T3** WRITE REQUEST MESSAGE (9): ROUTER DATA WRITE RESPONSE MESSAGE (10): ALL ROUTER **T3** DATA WRITE REQUEST MESSAGE (11): ALL ROUTER DATA WRITE RESPONSE ROUTER DATA SETTING COMPLETE S104 MESSAGE (12): NET ID WRITE REQUEST (GENERAL BROADCAST WITHIN THE SUBNET) MESSAGE (13): SUBNET A INSTANCE MESSAGE (13): SUBNET B INSTANCE CHANGE CLASS ANNOUNCEMENT CHANGE CLASS ANNOUNCEMENT (GENERAL BROADCAST (GENERAL BROADCAST S105 WITHIN THE DOMAIN) START NORMAL OPERATION WITHIN THE DOMAIN)

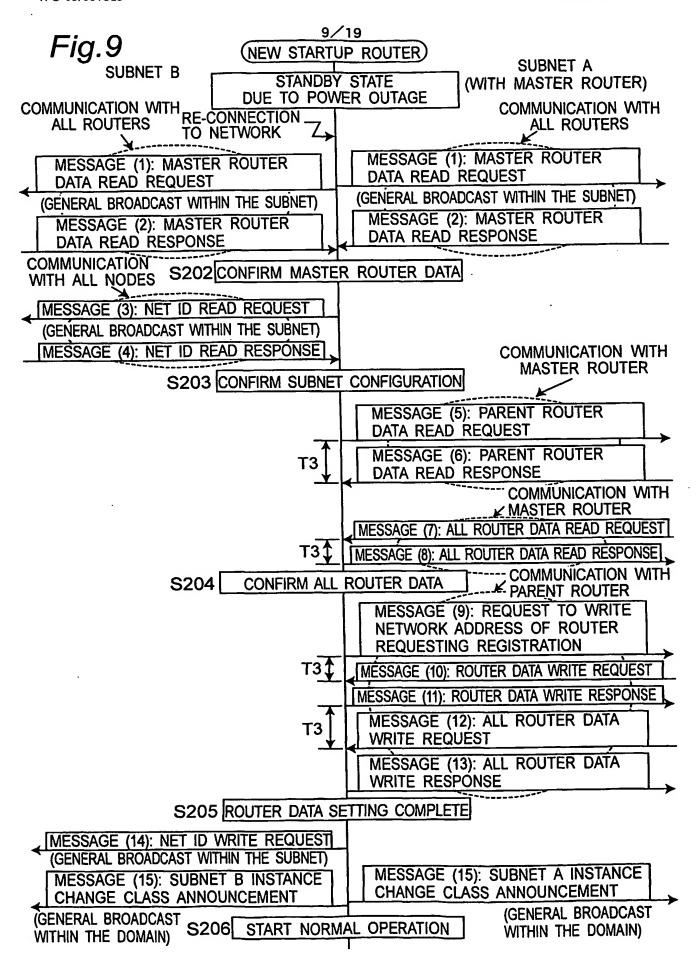
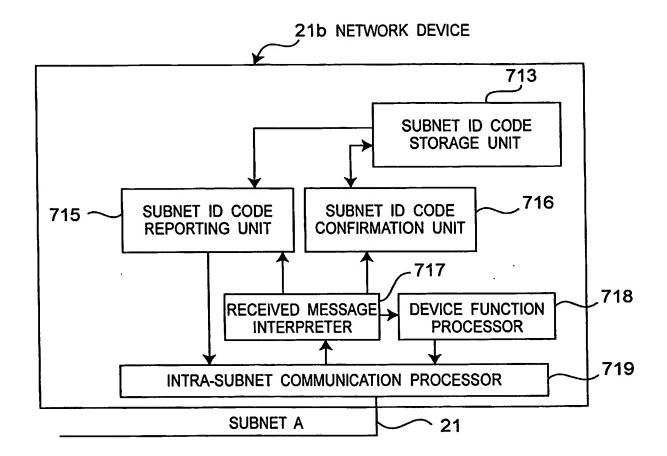


Fig. 10



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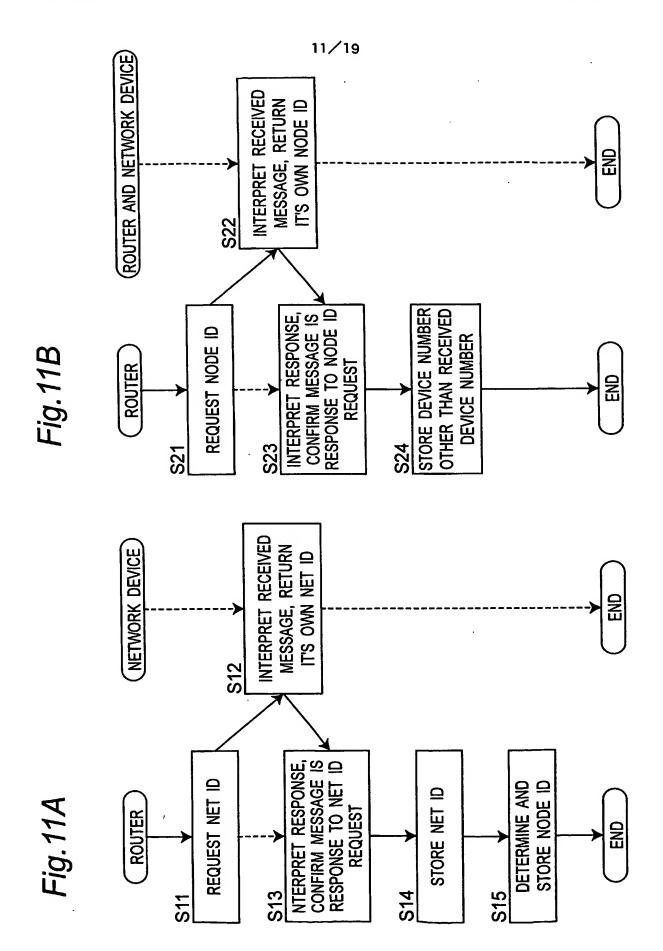
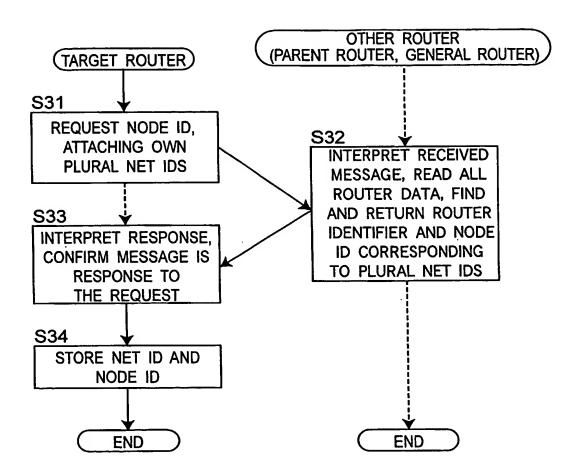
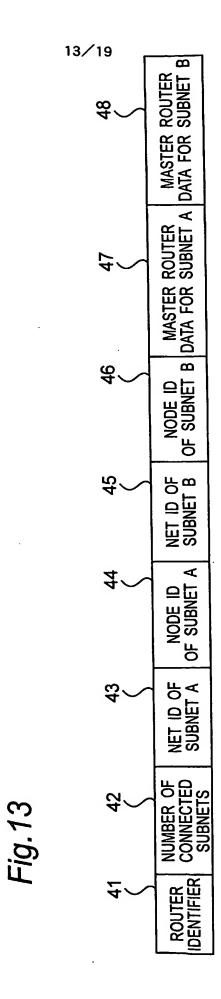
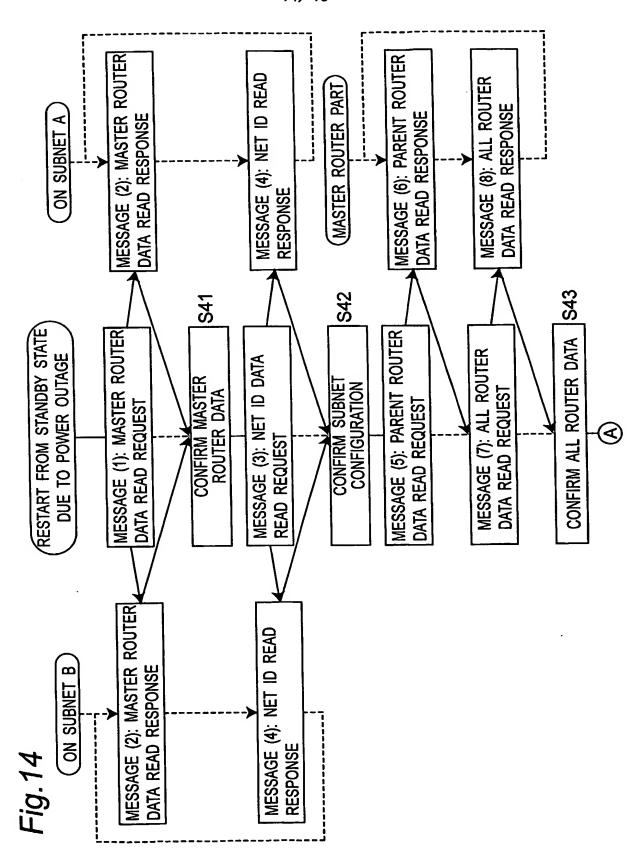


Fig.12







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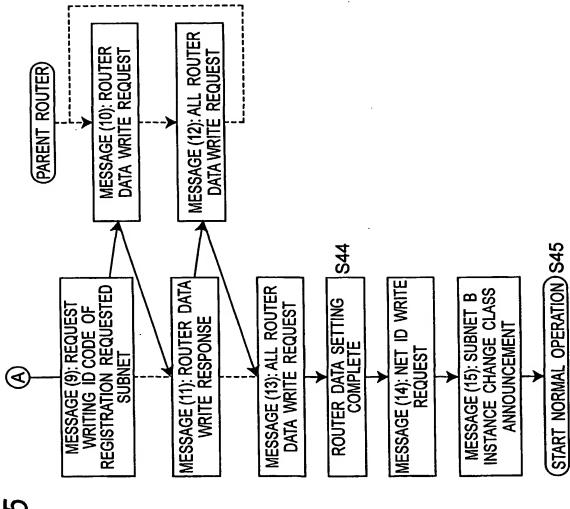


Fig. 15

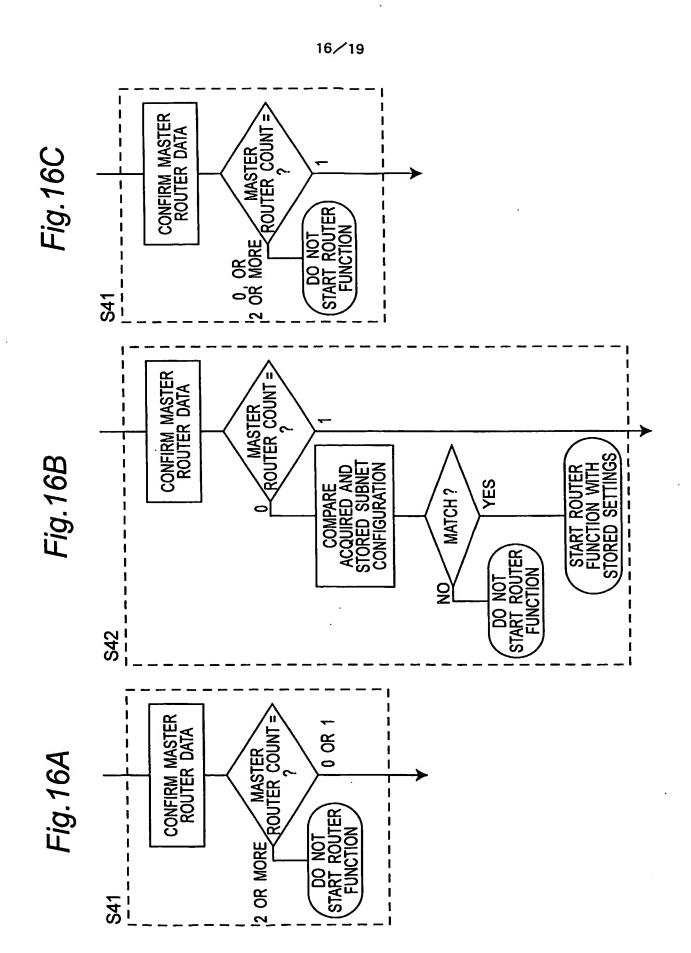


Fig.17

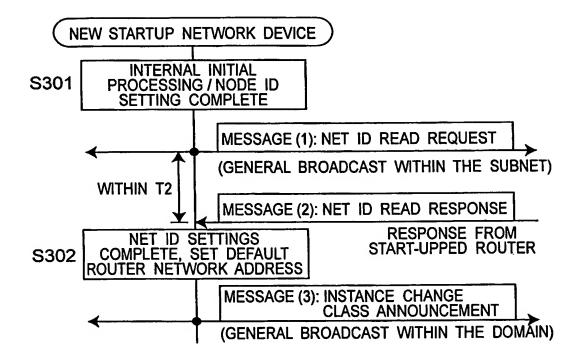


Fig.18

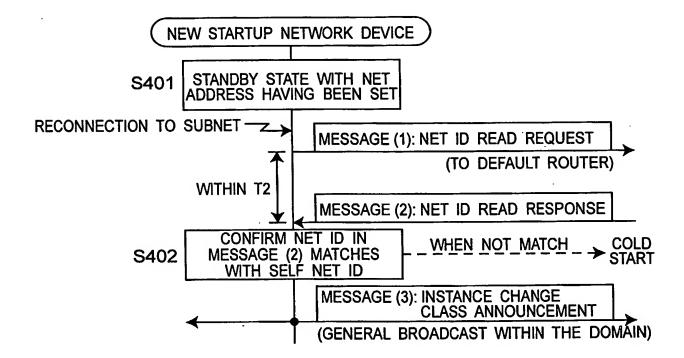


Fig.19

